

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	135	(nakamura-tetsuro sano-masafumi).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/12 14:58
S2	64	S1 and (zinc near oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 18:27
S3	21	("6,465,727" "6,660,931" "5,804,466" "6,613,603" "6,488,995" "6,399,873" "6,303,945" "6,635,899" "6,344,608" "6,653,165" "6,706,336" "6,172,296" "6,123,824" "6,472,248" "20030075717" "20030104664" "20030028486" "20020117661" "20030153165" "20030019519" "20020002993").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 15:10
S4	20	S3 and (ZnO (zinc near oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 17:03
S5	7525	136/243-293.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 17:04
S6	1329	S5 and (ZnO (zinc near oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 17:04
S7	7	S5 and ((electrolytic near deposit\$5) with (ZnO (zinc near oxide)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 17:39
S8	22	204/194.ccls. and zinc	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 17:39
S9	1	S8 and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 17:39
S10	11	S1 and (zinc near oxide) and (plasma near treatment)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 18:44
S11	12	S1 and (ZnO (zinc near oxide)) and (plasma near treatment)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 10:11
S12	62	S1 and (ZnO (zinc near oxide)) and (((plasma near treatment) with ((N nitrogen) (He Helium) (Ne neon) (Ar argon) (Kr Krypton) (Xe Xeon))) irradiation)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 19:10

EAST Search History

S13	276	136/265.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 19:11
S14	1438	136/258.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 19:10
S15	1581	136/256.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 17:11
S16	477	438/95.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 19:10
S17	652	438/98.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 19:10
S18	149	438/608.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 19:11
S19	134	438/609.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 19:11
S20	636	438/678.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 19:11
S21	139	S13 and (ZnO (zinc near oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 19:11
S22	135	(nakamura-tetsuro sano-masafumi).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/13 10:11
S23	2	S22 and (ZnO (zinc near oxide)) and (plasma near treatment) and ((electro near deposit\$5) electroplat\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 10:16
S24	6	"6,123,824"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 10:28
S25	2	"6,677,516"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 10:16
S26	5	S24 and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 11:24
S27	3	"6383359"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 13:40

EAST Search History

S28	80	205/155.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 13:40
S29	26	S28 and (ZnO (zinc near oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 13:41
S30	7	S28 and (ZnO (zinc near oxide)) and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 15:17
S31	358	(ZnO (zinc near oxide)) and (electrolysis (electroly\$5 near deposit\$5) electrodeposit\$5) and (irradiation nitrogen (helium He) (argon Ar) (neon Ne) (krypton Kr) (Xenon Xe)) and ((amorphous near silicon) a-Si:H)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 15:20
S32	42	S31 and (plasma near treat\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 15:17
S33	66	((ZnO (zinc near oxide)) with (electrolysis (electroly\$5 near deposit\$5) electrodeposit\$5)) and (irradiation nitrogen (helium He) (argon Ar) (neon Ne) (krypton Kr)) and ((amorphous near silicon) a-Si:H)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 15:23
S34	3	S33 and (plasma near treat\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 15:25
S35	1	"5800632".PN.	USPAT; USOCR	OR	OFF	2007/07/13 17:06
S36	32	"5804466"	USPAT; USOCR	OR	OFF	2007/07/13 17:07
S37	0	EP744270	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/13 17:07
S38	5416051	EP "744270"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/13 17:07

EAST Search History

S39	1	"EP 744270"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/13 17:08
S40	2	"EP 794270"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/13 17:13
S41	43754	(plasma irradiation) near treat\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 17:14
S42	8	((plasma irradiation) near treat\$5) near (ZnO (zinc near oxide))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 17:18
S43	1	"4507519".PN.	USPAT; USOCR	OR	OFF	2007/07/13 17:24
S44	1	"4873118".PN.	USPAT; USOCR	OR	OFF	2007/07/13 17:25
S45	2	"2841477".PN.	USPAT; USOCR	OR	OFF	2007/07/13 17:26
S46	1	"4634600".PN.	USPAT; USOCR	OR	OFF	2007/07/13 17:27
S47	1	"4678539".PN.	USPAT; USOCR	OR	OFF	2007/07/13 18:00
S48	1	"4715941".PN.	USPAT; USOCR	OR	OFF	2007/07/13 18:00
S49	1	"4790883".PN.	USPAT; USOCR	OR	OFF	2007/07/13 18:00
S50	1	"4792670".PN.	USPAT; USOCR	OR	OFF	2007/07/13 20:00
S51	6	"5800632"	USPAT; USOCR	OR	OFF	2007/07/13 20:00

EAST Search History

S52	310	((plasma near treat\$5) irradiation) with (ZnO (zinc near oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 20:29
S53	86	S52 and (eletroplat\$5 electroly\$5 (electro near deposit\$5) electrodeposit\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 20:47
S54	4692	maruyama.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 20:48
S55	13	maruyama-eiji.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 20:52
S56	1	2001-339079	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 20:52
S57	124	nakajima-takeshi.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 20:54
S58	10	S57 and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 20:54
S59	0	S57 and photovoltaic	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 20:54
S60	6	nakashima-takeshi.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 14:46
S61	1	"20020002993"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 14:47
S62	13	maruyama-eiji.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 17:11
S63	1	"5413959".PN.	USPAT; USOCR	OR	OFF	2007/07/15 14:48
S64	1	"6331672".PN.	USPAT; USOCR	OR	OFF	2007/07/15 16:18
S65	232	rare near gas near plasma	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/15 16:19

EAST Search History

S66	14	S65 and (ZnO (zinc near oxide))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/15 16:20
S67	1581	136/256.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 17:11
S68	467	S67 and (ZnO (zinc near oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 17:14
S69	85	S68 and (plasma surface) near treat\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 17:17
S70	14	(plasma near enhanced near CVD) and (resistivity near (a-Si\$2 (amorphous near (Si silicon))))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/16 18:15
S71	13	"5902650"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/16 17:34
S72	6	"typical resistivity" same (amorphous near silicon)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 17:41
S73	19	"4,206,472"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 17:41
S74	11	"4,206,472" and resistivity	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 17:45
S75	3	S70 and (solar photovoltaic photocell)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/16 18:15
S76	46	(solar photovoltaic photocell) and (resistivity near (a-Si (amorphous near (Si silicon))))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/16 19:15
S77	9508	resistivity near (conduct\$5 semiconduct\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 19:16
S78	152	resistivity near (conduct\$5 and semiconduct\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 19:25
S79	21	"4330182"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 20:29

EAST Search History

S80	4216	(solar photovoltaic photocell) and (ZnO (zinc near oxide)) and (insulat\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 21:36
S81	925	(solar photovoltaic photocell) and ((ZnO (zinc near oxide)) same (insulat\$5))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 20:31
S82	757	S81 and silicon	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 20:31
S83	420	S81 and (a-Si (amorphous near silicon))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 20:32
S84	9	(solar photovoltaic photocell) and (ZnO (zinc near oxide)) and (adsorption near prevent\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 20:42
S85	19	(solar photovoltaic photocell) and (ZnO (zinc near oxide)) and (less\$2 near dopant)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 20:45
S86	99	(solar photovoltaic photocell) and (ZnO (zinc near oxide)) and ((less\$2 reduc\$5 decreas\$5) near dopant)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 21:04
S87	828	(solar photovoltaic photocell) and ((ZnO (zinc near oxide)) same prevent\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 21:05
S88	24	(solar photovoltaic photocell) and ((ZnO (zinc near oxide)) near prevent\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 21:06
S89	10	(solar photovoltaic photocell) and ((ZnO (zinc near oxide)) near (adsorption adsorb\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 21:09
S90	40	(solar photovoltaic photocell) and (ZnO (zinc near oxide)) and ((adsorption adsorb\$3) near (stop\$5 prevent\$5 reduc\$5 decreas\$5))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 21:21
S91	1	"20060174935"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 21:13
S92	1669	(solar photovoltaic photocell) and (ZnO (zinc near oxide)) and (buffer\$5 ((adsorption adsorb\$3) near (stop\$5 prevent\$5 reduc\$5 decreas\$5)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 21:23

EAST Search History

S93	279	(solar photovoltaic photocell) and (ZnO (zinc near oxide)) same (buffer\$5 ((adsorption adsorb\$3) near (stop\$5 prevent\$5 reduc\$5 decreas\$5)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 21:36
S94	6297	(solar photovoltaic photocell) and (ZnO (zinc near oxide)) and "n-"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 21:37
S95	1489	S94 and (pin nip p-i-n n-i-p p/i/n n/i/p)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 21:38
S96	45	S95 and (less\$3 reduc\$3 decreas\$3) near dop\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 10:42
S97	173	136/243-293.ccls. and (diffus\$5 near barrier)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 11:40
S98	7	"5719414"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 11:05
S99	0	136/243-293.ccls. and "n.sup.-"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 11:06
S100	0	136/243-293.ccls. and "n.sup.-"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 11:06
S101	0	(solar photovoltaic photocell) and "n.sup.-"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 11:06
S112	56	136/243-293.ccls. and (diffus\$5 near barrier) and (SiO2 (silicon near (oxide dioxide)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 11:41
S113	12	S112 and (ZnO (zinc near oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 11:42
S114	925	(solar photovoltaic photocell) and ((ZnO (zinc near oxide)) same (insulat\$5))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 12:01
S115	815	S114 and (Si silicon ((Si silicon) near (oxide dioxide O)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 13:32
S116	415	S114 and (Si silicon) and ((Si silicon) near (oxide dioxide O))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 14:23
S117	76	S116 and (pin p/i/n p-i-n nip n-i-p n/i/p)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 13:56

EAST Search History

S11 8	2024	(silver near paste) same glass	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 14:29
S11 9	6	S118 and (PbO and SiO2 and B2O3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 14:40
S12 0	0	EP1560227	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 14:40
S12 1	5481296	EP "1560227"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 14:41
S12 2	2	"EP 1560227"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 14:42
S12 3	2	"6987358"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 14:43
S12 4	10322	136/243-293.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 20:50
S12 5	0	S124 and electrode with (silver and glass and PbO and SiO2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 14:45

EAST Search History

S12 6	6	S124 and (silver and glass and PbO and SiO2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 14:47
S12 7	6	S124 and ((Ag silver) and glass and PbO and SiO2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 14:53
S12 8	7	"4486232"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 18:36
S12 9	14	"4521800"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 15:39
S13 0	2	"20010027803"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 18:42
S13 1	3	"5981864"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 18:48
S13 3	6	("5871630" "5141564" "5436204" "6259016" "5981868" "6121541"). pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 18:51
S13 4	74	(ZnO (zinc near oxide)) and (pin p-i-n p/i/n nip n-i-p n/i/p) and (insulat\$5 near (SiC (silicon near carbide) SiO (silicon near oxide) SiN (Silicon near nitride)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 18:56

EAST Search History

S13 5	467	136/256.ccls. and (ZnO (zinc near oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 19:08
S13 6	217	136/256.ccls. and (ZnO (zinc near oxide)) and (pin p-i-n p/i/n nip n-i-p n/i/p)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 19:13
S13 7	196	S136 and (a-Si (amorphous near silicon))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 19:15
S13 8	177	S136 and (a-Si (amorphous near silicon)) and (barrier block\$5 prevent\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 19:25
S13 9	108	S136 and (a-Si (amorphous near silicon)) and (barrier block\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 19:26
S14 0	73	S136 and (a-Si (amorphous near silicon)) and ((barrier near diffus\$5) block\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 19:43
S14 1	80	S136 and (a-Si (amorphous near silicon)) and (barrier blocker blocking)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 19:53
S14 2	0	S136 and (a-Si (amorphous near silicon)) and ((barrier blocker blocking) near (Si\$2 silicon))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 19:48
S14 3	0	(barrier blocker blocking prevent\$5) near (ZnO (zinc near oxide)) near (a-Si (amorphous near silicon))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 19:54
S14 4	93	(barrier blocker blocking prevent\$5) same (ZnO (zinc near oxide)) same (a-Si (amorphous near silicon))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 20:18
S14 5	276	(barrier blocker blocking prevent\$5 insulat\$5) same (ZnO (zinc near oxide)) same (a-Si (amorphous near silicon))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 20:28
S14 6	164	136/243-293.ccls. and p+ and n+	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 20:49
S14 7	4688	136/243-293.ccls. and n-	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 20:35
S14 8	2038	S147 not n-type	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 20:37
S14 9	4688	136/243-293.ccls. and "n"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 20:37

EAST Search History

S15 0	0	S148 and (n near minus)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 20:36
S15 1	4688	136/243-293.ccls. and "n- "	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 20:37
S15 2	245	136/243-293.ccls. and "n- " and n+	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 20:38
S15 3	245	136/243-293.ccls. and "n-" and n+	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 20:38
S15 4	0	136/243-293.ccls. and "n.sup.-" and n+	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 20:39
S15 5	11	S124 and (barrier blocker blocking) near (dop\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 20:53
S15 6	6	S124 and (adsorpt\$5 near (prevent\$5 block\$5 barrier))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 20:54